

Appendix C Noise Data [Revised]

TRAFFIC NOISE LEVELS

Project Number:
100000407-3

Project Name:
Beach-Warner Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
 Analysis Scenario(s): Future (2030) Conditions with Beach/Warner Project
 Source of Traffic Volumes: Austin-Foust
 Community Noise Descriptor: L_{dn}: X CNEL:

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition	Roadway Segment	between	Land Use	Peak			Design Speed (mph)	Dist. from Center to Receptor ¹	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix	Peak Hou 24-Hour	
				Lanes	Median Width	Hour Volume						dB(A) L _{eq}	dB(A) Ldn
Beach Boulevard		Heil Ave and Warner Ave		8	12	0	65,988	45	125	0	0	1.8%	0.7%
		Warner Ave and Slater Ave		8	12	0	63,969	45	125	0	0	1.8%	0.7%
		Slater Ave and Talbert Ave		8	12	0	61,000	45	125	0	0	1.8%	0.7%
Warner Ave		Gothard St and Beach Blvd		6	12	0	40,000	45	100	0	0	1.8%	0.7%
		Beach Blvd and Newland St		6	12	0	43,000	45	100	0	0	1.8%	0.7%
		Newland St and Magnolia St		6	12	0	45,000	45	100	0	0	1.8%	0.7%

¹ Distance is from the centerline of the roadway segment to the receptor location.

Note: Roadway segments were selected based on their proportionate share of project-related trips

APPENDIX E
HELISTOP NOISE ASSESSMENT

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**HELISTOP NOISE ASSESSMENT
FOR THE BEACH AND WARNER OFFICE COMPLEX**

PREPARED BY

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MAY 8, 1981

**HELISTOP NOISE ASSESSMENT
FOR THE BEACH AND WARNER OFFICE COMPLEX**

1.0 INTRODUCTION

This report assesses the potential noise impact of helicopter operations associated with the proposed office complex to be located on the southwest corner of Beach Boulevard and Warner Avenue. A helistop would be located on the roof of either Office Tower 1 or 2. Both office towers will be 232 feet high. The helistop will be used by the Mola Development Corporation for business use. Mola Development owns a Hughes 500C and it is anticipated that this helicopter will be the primary craft utilizing the helistop. Approximately three trips per day are projected, all occurring during the day (7 a.m. to 5 p.m.).

A helistop, as opposed to a heliport, does not provide refueling or maintenance services. A helistop generally consists only of a pad, and accessory marking and lighting for the landing and departure of helicopters.

Residential areas lie to the west and south of the project site. The nearest residential area is located at the southwest corner of Sycamore and Elm Streets, and would be approximately 300 feet from the office towers. Residential areas are also located south of the project along Beach Boulevard about 350 feet south of the office towers.

2.0 NOISE CRITERIA

The predominant rating scale now in use in California for land use compatibility assessment is the Community Noise Equivalent Level (CNEL). CNEL is a 24-hour, time weighted annual average noise level. A-weighting is a frequency correction that correlates overall sound pressure levels with the frequency response of the human ear. Time weighted refers to the fact that noise that occurs during certain sensitive time periods is penalized for occurring at these times. The evening time period (7 p.m. to 10 p.m.) penalizes noises by 5dBA, while nighttime (10 p.m. to 7 a.m.) noises are penalized by 10 dBA. These time periods and penalties were selected to reflect people's sensitivity to noise as a function of activity.

The City of Huntington Beach Noise Element of the General Plan identifies compatibility of land uses and CNEL noise levels. Noise levels of less than 65 CNEL are considered compatible with residential land uses. Noise levels above 65 CNEL indicate that there is a potential incompatibility between the desired land use and the noise environment.

3.0 THE HUGHES 500C HELICOPTER

A Hughes 500C Helicopter is currently utilized for business purposes by the Mola Development Corporation. Continuing use of this helicopter is anticipated. The Hughes 500C requires a single man crew and can carry an additional 4 passengers. The helicopter has a single engine, a normal gross weight of 2,550 pounds, and a rotor diameter of 26.3 feet. In general, the Hughes 500C is considered a light weight helicopter designed for executive and

utility uses. In comparision to other helicopters the Hughes 500C is considered to be a very quiet helicopter.

Noise levels versus distance to the helicopter, referred to as slant range distance, is provided in Exhibit 1. The data was provided by Mr. Bob King of Hughes Helicopter. Two sets of data are given; maximum sound levels (L_{max}) versus distance, and sound exposure level (SEL) versus distance. The maximum sound level is the loudest instananeous sound that one would hear as the helicopter flys over. The sound exposure level represents the total, or sum of all the sound that one hears during an overflight. SEL is used in the calculation of CNEL. It should be noted that the Hughes 500C is considerably louder on approach than on departure. This is due to differences in speed for approach and departure, directionality of helicopter noise, and other factors.

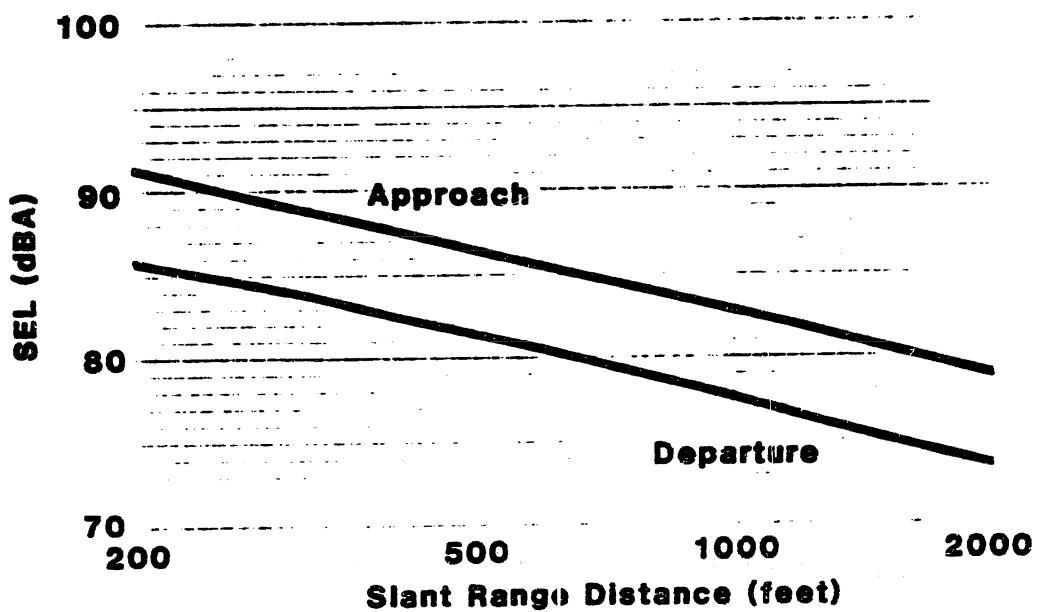
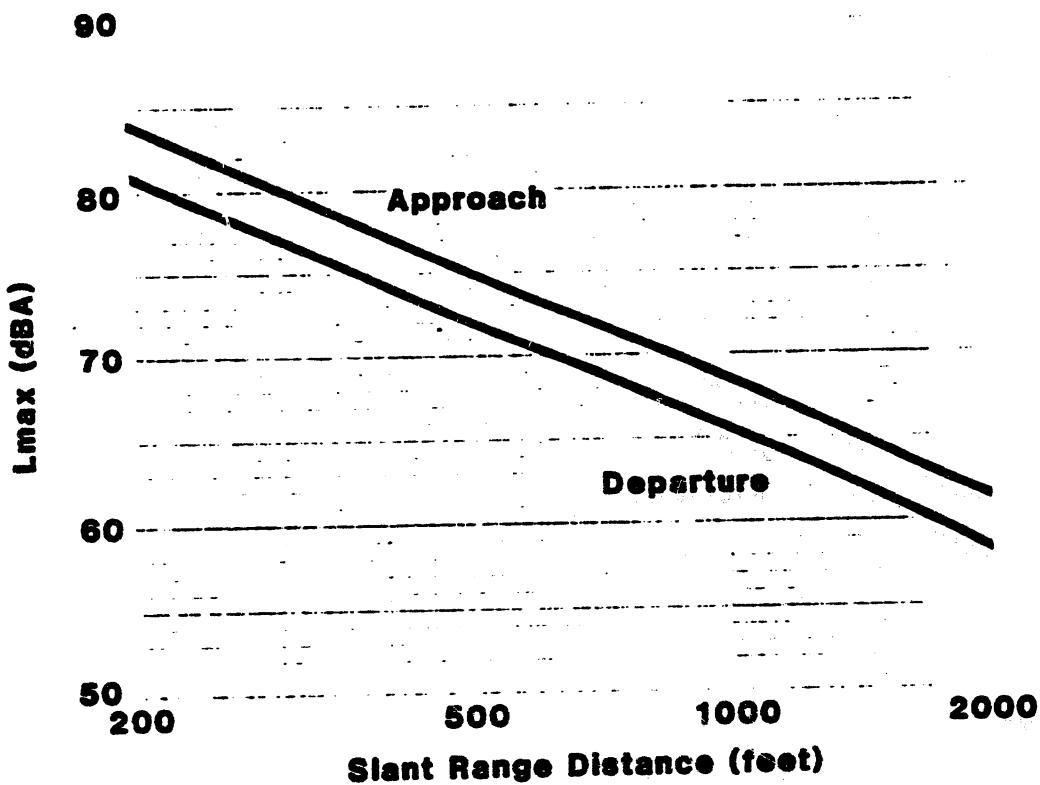
4.0 APPROACH AND DEPARTURE PATHS

The approach and departure paths for the helistop are dependent on the wind direction. Since the helicopter operations will occur during the day, the winds during the daytime are of primary importance.

During the morning hours the winds in the Huntington Beach area are light and variable. However, by late morning the winds are usually well developed with wind speeds generally in the 3 to 10 mph range. Winds typically blow on-shore or from the southwest.

Approaches to the helistop from the northeast and departures to the

EXHIBIT 1 - NOISE LEVELS FOR HUGHES 500C HELICOPTER (SOURCE: HUGHES HELICOPTER)



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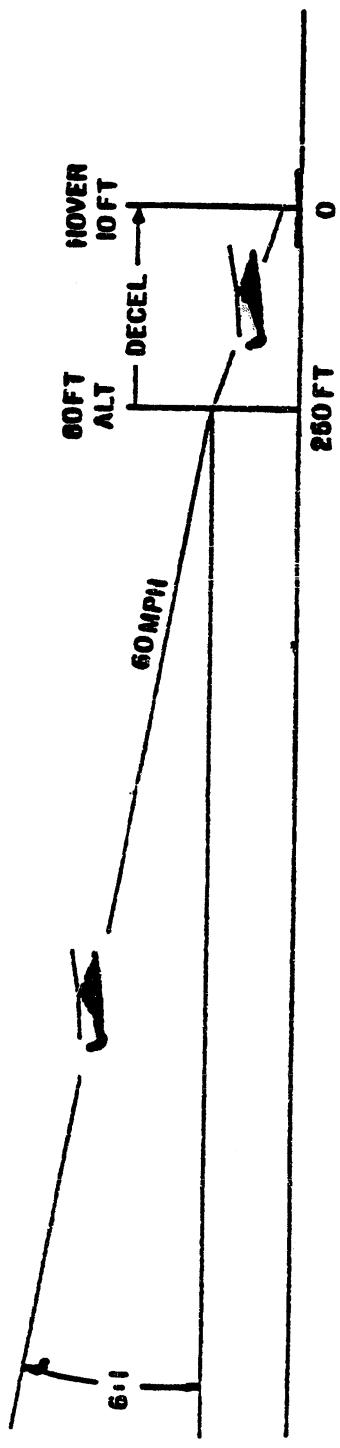
southwest were assumed for this analysis. This approach/departure alignment allows the helicopter to approach and depart into the wind, which is the preferred operational procedure. It is also a "worst case" alignment since it passes directly over the nearest residential areas.

The approach and landing profile used for the determination of the noise contours is provided in Exhibit 2. The approach profile utilizes a 6 to 1 descent rate until the helicopter is 250 feet from the helistop pad. The helicopter then decelerates and descends roughly at a 3 to 1 rate. The departure profile assumes that the helicopter rises to 20 feet, then proceeds 250 feet at 20 feet above roof level, and finally climbs out at a 6 to 1 rate.

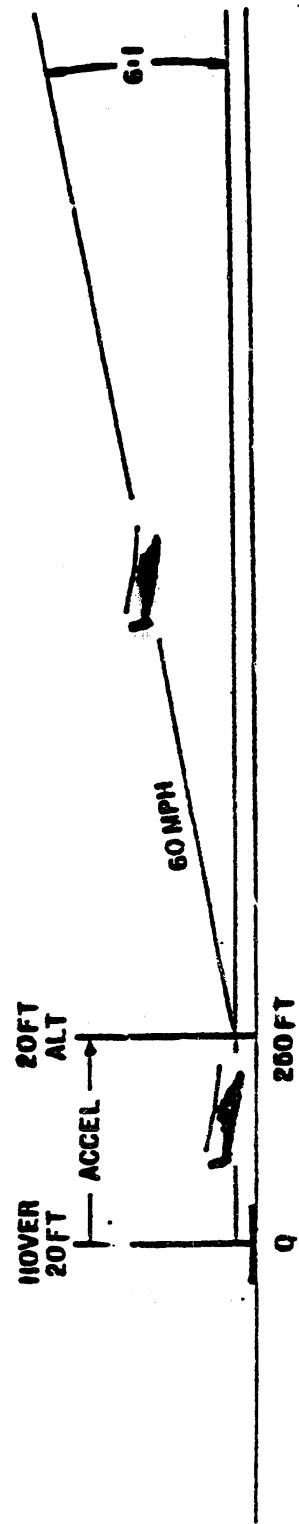
5.0 CNEL NOISE LEVELS

CNEL noise contours were generated for the anticipated helicopter operations associated with the Beach and Warner Office Complex. The noise data used to produce the contours has already been presented; specifically, SEL versus distance curves in Exhibit 1, approach and landing profiles in Exhibit 2, and number of operations in the Introduction Section.

The CNEL noise contours are presented as Exhibits 3 and 4, for the helistop located on the roof of Office Towers 1 and 2, respectively. Noise levels generated by helicopter operations will be less than 45 CNEL in surrounding residential areas. The proposed helistop will not be incompatible with the surrounding residential areas according to the City of Huntington Beach land use/noise guidelines. In fact, the noise levels in the



Approach Profile

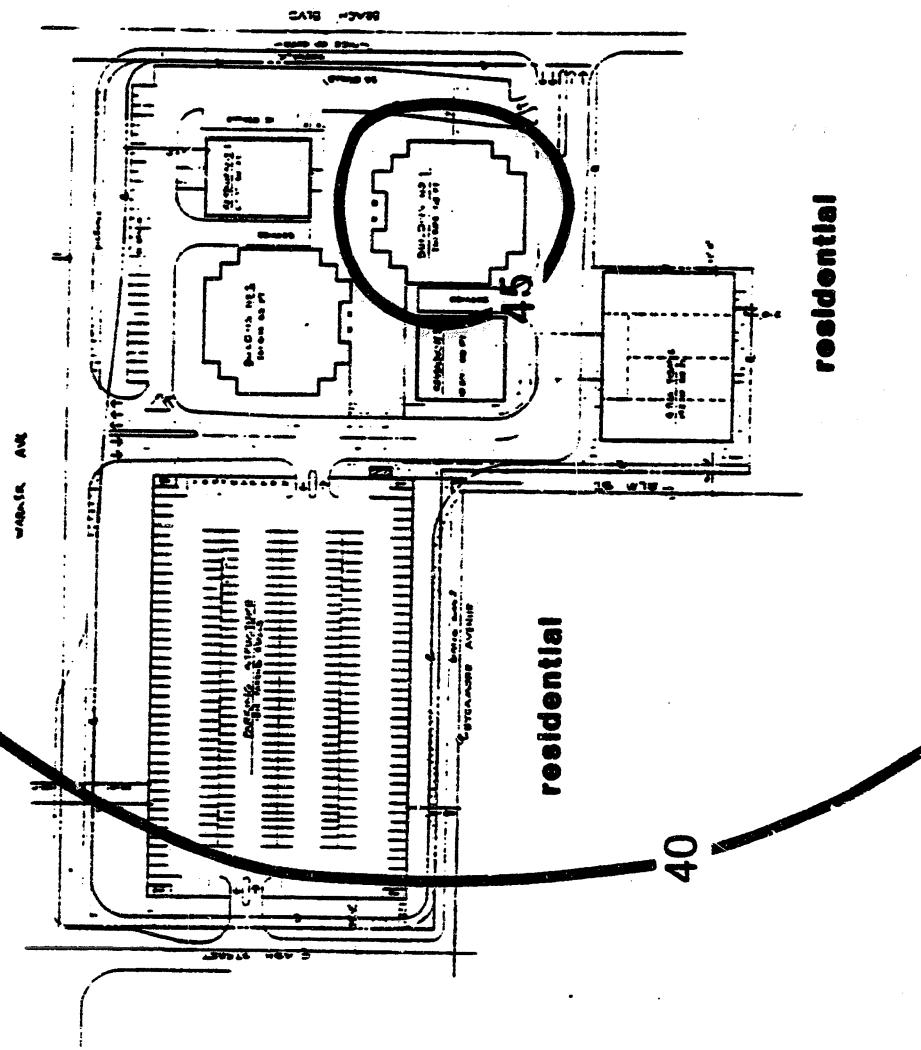


Departure Profile

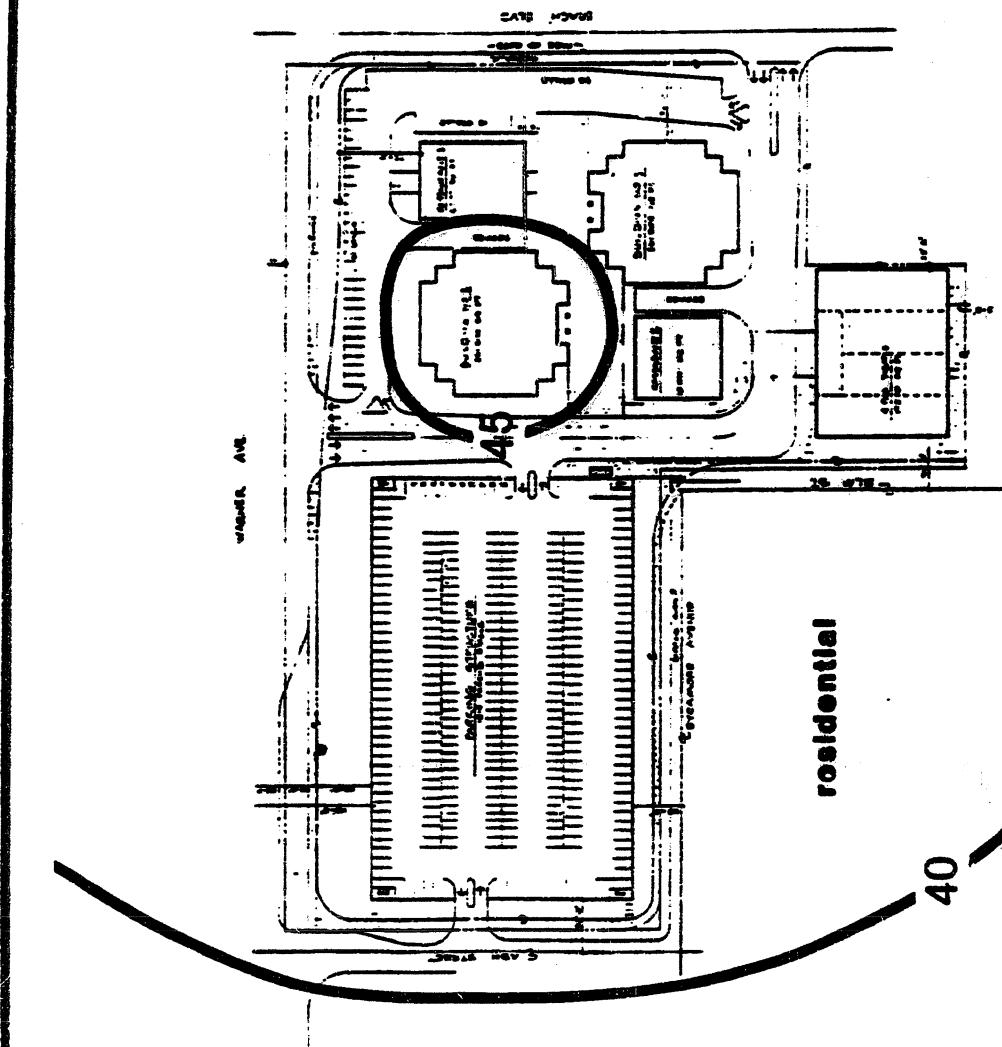
EXHIBIT 2 - APPROACH AND DEPARTURE PROFILES

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EXHIBIT 3 - CNEL NOISE CONTOURS FOR HELISTOP ON OFFICE TOWER 1



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residential

40

residential

EXHIBIT 4 - CNEU NOISE LEVELS FOR HELISTOP ON OFFICE TOWER 2

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residential areas due to the helicopter overflights will be at least 20 dBA less than the City's guideline of 65 CMEL.

There is no significant difference in impact between locating the helistop on Office Tower 1 or 2. The nearby residential areas will experience approximately the same noise levels for either of the proposed helistop locations.

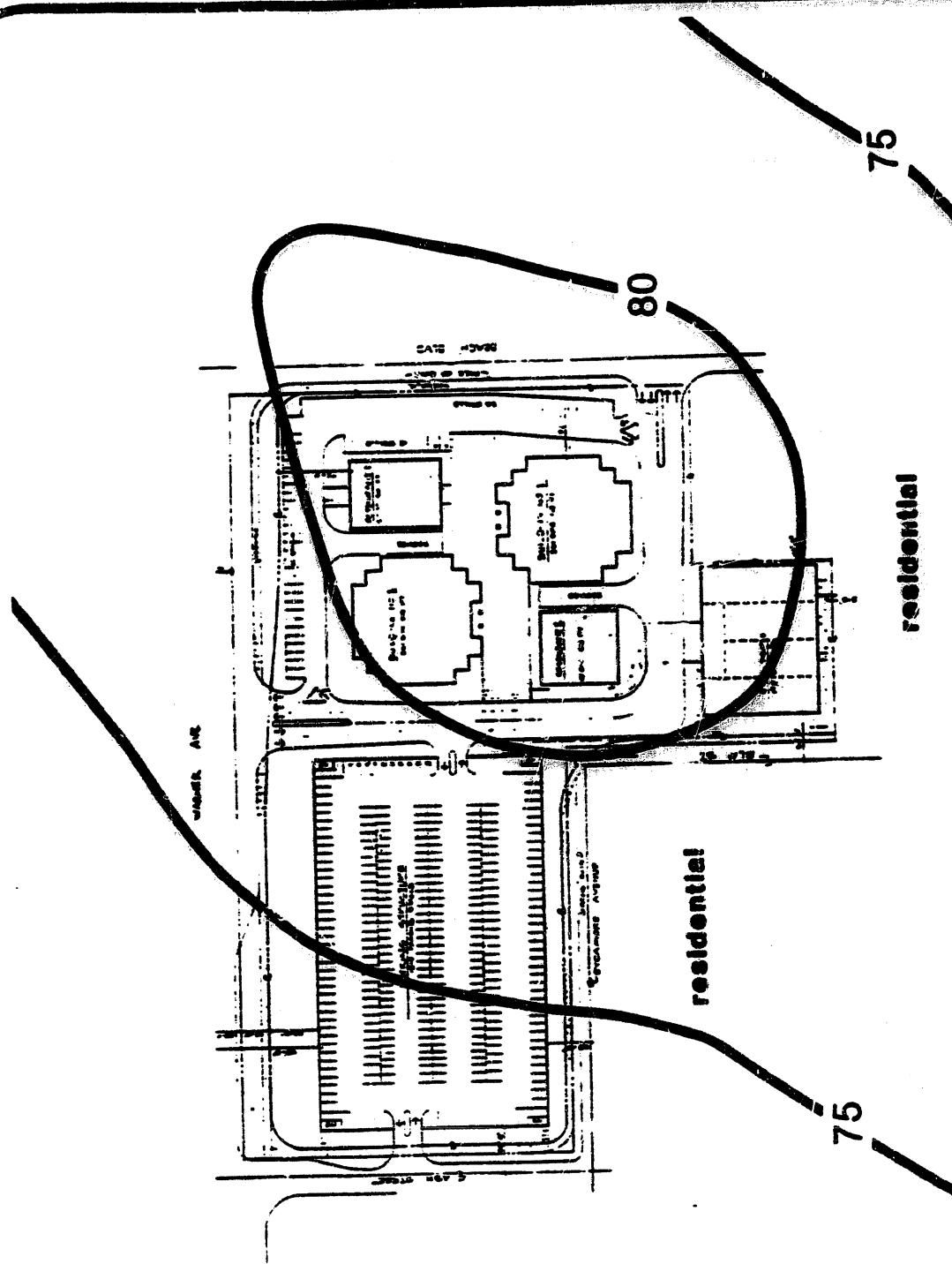
6.0 MAXIMUM SOUND LEVELS

The maximum sound levels (L_{max}) that will be generated by the helistop operations are presented in Exhibit 5. Contours are presented only for Office Tower 1. (The shape of the contours would be the same if the helistop were located on Office Tower 2, only centered on Office Tower 2 rather than 1.) The data indicate the nearby residential areas will experience maximum sound levels of 75 to 80 dBA. Outdoors these noise levels will disrupt speech momentarily while the helicopter passes over. Inside residences, the noise levels with windows open are expected to be 15 dBA less than experienced outside. Speech, watching television, and similar indoor activities involving communication would not be significantly disrupted. A typical person sleeping would be awoken, or at a minimum his sleep would be disturbed. In both the outside and inside situations the noise levels are not high enough to cause any physiological damage.

7.0 MITIGATION MEASURES

Listed below are potential measures to minimize the noise produced by

EXHIBIT 5 - MAXIMUM NOISE LEVELS (dB) FOR HELISTOP ON OFFICE TOWER 1



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the proposed helistop operations. It should be noted that measures controlling the operation of the helicopter once in flight can not be mandated. The operation of the helicopter once in flight is the responsibility of the pilot, and due to safety considerations can not be infringed upon.

1. Limit flights only to daytime hours. Residential uses are generally considered to be more sensitive to noise during the evening and night time hours than during the day. Currently only daytime operations are anticipated.
2. Restrict use of helistop to Hughes 500C or quieter helicopters.
3. Encourage approaches and departures along Beach Boulevard when possible. This will lower slightly the noise levels experienced in the nearby residential areas.
4. Encourage the pilot to minimize hover times and to fly the helicopter in a manner which minimizes noise.
5. Design and/or provide sound insulation for buildings on-site to insure acceptable interior noise levels.

APPENDIX F
AIR QUALITY

AIR QUALITY APPENDIX

STATIONARY SOURCE EMISSIONS

Emissions from Generation of Electricity

1. (Emission Factor) X (Usage Rate) = Emissions.
2. Emission factors for electricity are shown in Table A that follows.
3. Usage rates from SCAQMD Handbook and shown in Table 4-8 in Section 4.7 in the text.
Daily emissions - 54,932 kwh/day (20.05 million kwh/year - 365).
4. Emissions from generation of electricity are shown in Table A.

Emissions from Natural Gas Combustion

1. (Emission Factor) X (Usage Rate) = Emissions.
2. Emissions factors for natural gas are shown in Table B that follows.
3. Usage rates from SCAQMD Handbook and shown in Table 4-7 in Section 4.7 in the text.
Daily emissions - 63,333 cubic feet/day (1.97 million ft³/month - 30).
4. Emissions from generation of electricity are shown in Table B.

MOBILE SOURCE EMISSIONS

Vehicular Emissions

1. (Vehicle Miles Travelled [VMT] X (Vehicle Emission Factor) = Emissions.
2. 8 = miles/trip X 10,255 trips/day = 82,040* VMT.
3. Vehicle Emission Factors from Mobile 1 for 1983 (45 miles per hour) and assumes no vehicle inspection maintenance program.

	1983 <u>gm/mi</u>	1985 <u>gm/mi</u>
CO	21.22	17.50
HC	2.41	1.84
NO _x	3.34	3.09
SO _x	0.24	0.24
Particulates	0.36	0.36

* Average trip length and daily trips generated, provided by Green And Associates, May 18, 1981.

Construction Equipment Emissions

1. (Emission Factor in lbs. emitted/hr.) X (Usage Rate is number of hours operating) = Emissions.
2. Emission Factors for construction equipment are shown in Table C that follows.
3. Usage rates from AP-42
Assumed: 1 water truck - 1,000 hrs/yr
2 motor graders - 830 hrs/yr
2 wheeled loaders - 570 hrs/yr
1 roller - 185 hrs/yr
3 month duration
4. For each vehicle type the Following was calculated (# vehicles) x (annual hours of operation/year as given by AP-42) x (length of construction/grading time) = No. of hours
5. Emissions from construction equipment are shown in Table C.

Table A
EMISSIONS GENERATION OF ELECTRICITY

<u>Pollutant</u>	<u>Emission Factor</u>	<u>Usage Rate (kwh/day)</u>	<u>Emissions (Tons/day)</u>
CO	.0002	54,932	0.0055
HC	.00017	54,932	0.0049
NO _x	.0023	54,932	0.0632
SO _x	.0027	54,932	0.0728
Particulates	.0004	54,932	0.0110

Table B
EMISSIONS - NATURAL GAS COMBUSTION

<u>Pollutant</u>	<u>Emission Factor</u>	<u>Usage Rate (ft³/day)</u>	<u>Emissions (Tons/day)</u>
CO	.00002	63,333	0.0006
HC	.000008	63,333	0.0003
NO _x	.000120	63,333	0.0032
SO _x	negl.	63,333	0.0000
Particulates	.0000015	63,333	0.0003
TOTAL			

Table C
CONSTRUCTION EQUIPMENT EMISSIONS
(Emission Factor - Pounds of emissions
per hour/Pound emitted)

	<u>Misc.</u>	<u>Motor Grader</u>	<u>Wheeler Loader</u>	<u>Roller</u>
CO	.414/138	.215/89	.553/315	.184/34
HC	.157/52	.054/22	.187/107	.054/10
NO _x	2.27/758	1.05/436	2.4/1368	1.04/192
SO _x	.143/48	.086/36	.102/104	.067/12
Particulates	.139/46	.061/25	.172/98	.50/9
TOTAL	1,042	608	1,992	257

Total Pounds Emitted

Over Construction Period = 3,899 lbs. or 1.95 tons

ORIGINAL DOCUMENT
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CALIFORNIA STATE LAND SURVEYOR'S OFFICE - REPORT NO. 100 - 1970 VERSION
PAGE 7
Date: September 18, 1970. On-HH 10002, 10003, 10004, 10005, 10006, 10007, 10008, 10009
Location: HIGHWAY 101, MILES BEACH ROAD, AT MILE MARK (MILE MARK)

1. SITE IDENTIFICATION
2. SURVEYING METHODS
3. SURVEY LOCATIONS AND MUNICIPAL RESULTS

ORIGINAL DOCUMENT
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INTERIM TESTS AT THERMIA LINE SOURCE SUSPENSION MODE II SEPTEMBER 1979 VERSION
JUNI 1979 MEETING LINE SOURCE TESTS - 10-MLR RUDI

KURT BLAUM, RAYMOND AL MACH, R. G. HORN, RUDI

I. SITE VARIABLES
 $R = 2 \text{ m}^2$ / sec.
 $R_{\text{in}} = 2 \text{ m}$, $Q = 0.4 \text{ m}^3/\text{s}$
 $V_{\text{in}} = 0.075 \text{ m}^3$
 $V_{\text{out}} = 0.075 \text{ m}^3$

II. LINE VARIABLE FB

LINE DESCRIPTION	V ₁	LINK COORDINATES (m)	V ₂	LINK LENGTH (m)	V ₃	V ₄	TOTAL
1	-500	0	0	500	0	0	500
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
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27	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0
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50	0	0	0	0	0	0	0
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52	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0
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66	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0
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91	0	0	0	0	0	0	0
92	0	0	0	0	0	0	0
93	0	0	0	0	0	0	0
94	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0
96	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0

III. READING LOCATIONS AND MODEL RESULTS

ORIGINAL DOCUMENT
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Table I
COMPARISONS OF AIR QUALITY STANDARDS AND EMERGENCY CRITERIA

Air Pollutant and Action Required	Air Quality Standard(s) (National)			Emergency and Calibration Criteria			National Criteria			
	Condition	Primary	Secondary	Stage 1 Emergency Threshold	Stage 2 Emergency Threshold	Stage 3 Emergency Threshold	Alert Level	Warning Level	Emergency Action Level	Significant Rains to Health Level
Ozone 8 ₁	0.10 ppm. 1-hr. avg.	0.11 ppm. (240 ug/m ³) 1-hr. avg.	0.13 ppm. (240 ug/m ³) 1-hr. avg.	0.10 ppm. 1-hr. avg.	0.15 ppm. 1-hr. avg.	0.18 ppm. 1-hr. avg.	0.10 ppm. 1-hr. avg.	0.10 ppm. 1-hr. avg.	0.10 ppm. 1-hr. avg.	0.00 ppm. 1-hr. avg.
Ozone 8 ₃		0 ppm. (10 ug/m ³) 1-hr. avg.	0 ppm. (10 ug/m ³) 1-hr. avg.	0 ppm. (10 ug/m ³) 1-hr. avg.	20 ppm. 12-hr. avg.	35 ppm. 12-hr. avg.	50 ppm. 12-hr. avg.	0.10 ppm. 1-hr. avg.	0.10 ppm. 1-hr. avg.	0.10 ppm. 1-hr. avg.
Carbon Dioxide CO	10 ppm. 6-hr. avg. 40 ppm. 1-hr. avg.	10 ppm. (10 ug/m ³) 6-hr. avg. (40 ug/m ³) 1-hr. avg.	10 ppm. (10 ug/m ³) 6-hr. avg. (40 ug/m ³) 1-hr. avg.	20 ppm. 12-hr. avg.	35 ppm. 12-hr. avg.	50 ppm. 12-hr. avg.	10 ppm. 6-hr. avg.	10 ppm. 6-hr. avg.	10 ppm. 6-hr. avg.	0.53 ppm. 24-hr. avg.
Nitrogen Oxide NO _x	0.25 ppm. 1-hr. avg.	0.35 ppm. (100 ug/m ³) 1-hr.	0.35 ppm. (100 ug/m ³) 1-hr.	0.25 ppm. (100 ug/m ³) 1-hr.	0.30 ppm. 24-hr. avg.	0.35 ppm. 24-hr. avg.	0.30 ppm. 1-hr. avg.	0.30 ppm. 1-hr. avg.	0.30 ppm. 1-hr. avg.	0.53 ppm. 24-hr. avg.
Sulfur Dioxide SO ₂	0.65 ppm. 24-hr. avg. 0.50 ppm. 1-hr. avg.	0.14 ppm. (35 ug/m ³) 24-hr. avg. 0.50 ppm. 1-hr. avg.	0.14 ppm. (35 ug/m ³) 24-hr. avg. 0.50 ppm. 1-hr. avg.	0.10 ppm. 24-hr. avg.	0.10 ppm. 24-hr. avg.	0.10 ppm. 24-hr. avg.	0.10 ppm. 1-hr. avg.	0.10 ppm. 1-hr. avg.	0.10 ppm. 1-hr. avg.	1.0 ppm. 24-hr. avg.
Ozone 1 _x Combustion Dust Sulphur Dioxide)										
Sulfate In Particulate Matter	15 ug/m ³ 24 hr. avg.						0.20 ppm. 1-hr. avg.	0.25 ppm. 1-hr. avg.	0.30 ppm. 1-hr. avg.	0.00 ppm. 1-hr. avg.
Particulate Matter (TSP)	100 ug/m ³ . 24 hr. avg. 60 ug/m ³ 24 hr.	200 ug/m ³ . 24 hr. avg. 15 ug/m ³ 24 hr.	150 ug/m ³ . 24 hr. avg. 60 ug/m ³ 24 hr.	150 ug/m ³ . 24 hr. avg.	215 ug/m ³ . 24 hr. avg.	215 ug/m ³ . 24 hr. avg.	0.15 ug/m ³ . 24 hr. avg.	0.15 ug/m ³ . 24 hr. avg.	0.15 ug/m ³ . 24 hr. avg.	1000 ug/m ³ . 24 hr. avg.
Particulate Matter (ug/m ³) SO ₂ (ppm) x 3020							65,000 24-hr. avg.	281,000 24-hr. avg.	393,000 24-hr. avg.	400,000 24-hr. avg.

* Occurring in combination with a violation of the State Ozone or TSP standards.

** No standard or criteria other blocks are blank.

*** This is inconsistent with the federal standard of 0.12 ppm, hourly average, and is expected to be revised in the near future.

(Continued)

**ORIGINAL DOCUMENT
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COMPARISONS OF AIR QUALITY STANDARDS AND EMERGENCY CRITERIA

Table I (Continued)

Air Pollutant and Action Required	Air Quality Standards ^a		California and California Episode			Emergency Criteria			National Episode		
	California	Federal ^b	Primary	Secondary	Stage 1 Health Advisory	Stage 2 Warning	Stage 3 Emergency	Alert Level	Warning Level	Emergency Alert Level	Significant Risk to Health Level
Led	1.5 ug/m ³	1.5 ug/m ³									
Pb	10-day avg.	1.0 ug/m ³									
Hydrogen Sulfide (corrected for methane)			0.20 ppm (100 ug/m ³)	0.20 ppm (100 ug/m ³)	3-hr. avg. 6.5 ppm.	3-hr. avg. 6.5 ppm.	3-hr. avg. 6.5 ppm.				
Hydrogen Sulfide H ₂ S			0.05 ppm. 1-hr. avg.								
Vinyl Chloride (chloroethene)		0.01 ppm 24-hr. avg.									
Ethylene		0.10 ppm 0-hr. avg.									
Visibility Reducing Particles		0.30 ppm 1-hr. avg.	In sufficient concentration to reduce visibility to less than ten miles at 10% fine Number of less than 10%.								
Actions to be Taken		Voluntary reduction in physical activity and vehicle operation. Open burning banned (not in action at this level after 1978).			Indoor use prohibited. Reduction in vehicle operation. Industrial containment.			Same as "Emergency" except most industry still done.			

^a Standards shown in parentheses are restatements of the preceding standard but expressed on an alternative basis.

^b Concentrations other than annual averages will be exceeded more than once a year.

c) SCUM - South Coast Air Quality Management District.

d) ozone and sulfur dioxide concentrations both must be greater than 0.10 ppm.

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AIR QUALITY IN 1976

ZONE	Station	Carbon Monoxide		Oxidant (Ozone)				Nitrogen Dioxide		Sulfur Dioxide	
		Max. Conc. in PPM	No. Days Standard Exceeded (c)/(d)	Max. Conc. in PPHM	No. Days Standard Exceeded		Max. Conc. in PPHM	No. Days State Std. Exceeded (c)/(d)	Max. Conc. in PPM	No. Days Federal Standard Exceeded (e)	
					Federal	State					
		1 Hour	(a)/(b)	1 Hour	1 hr. > 8 ppm	1 hr. & 1D ppm	1 Hour	1 hr. > 35 ppm	1 Hour	> 30 ppm 6-9 A.M. (#)	
M	Los Angeles	22	72/0	88/0	24	148	125	62	27	18.0	315
M	W. Los Angeles	36	54/0	21/0	28	91	75	48	55	16.2	211
E	Lemon	48	94/2	75/1	52	20	19	29	21	19.4	362
T	Long Beach	19	64/0	48/0	16	11	5	62	48	12.6(b)	126(b)
R	Whittier	25	36/0	11/0	27	145	116	22	19	17.5	271
O	Roseda	26	67/0	47/0	27	108	171	30	4	12.6	261
P	Burbank	20	107/0	98/0	25	204	187	29	15	18.8	378
D	Paradise	28	32/0	0/0	24	158	130	29	22	7.1	268
L	Azusa	16	4/0	0/0	28	185	173	21	3	11.6	130
I	Pomona	18	5/0	1/0	26	168	160	22	5	6.2	268
A	Pico Rivera	18	34/0	9/0	35	118	106	32	16	IN	IN
N	Lynwood	23	129/0	96/0	240	440	360	39	6	IN	IN
	Newhall	11	0/0	0/0	23	165	154	18	0	7.1	267
	Lancaster	14	1/0	0/0	19	108	82	11	0	7.0	168
S	La Habra	48(b)	71/20	57/13	30	89	67	38	4	IN	IN
O	Santa Ana Cyn	ND	ND	ND	38	184	118	ND	ND	ND	ND
C	Anaheim	28	60/0	26/0	30	98	84	48	15	ND	ND
H	Los Alamitos	ND	ND	ND	26	66	52	ND	ND	IN	IN
E	Costa Mesa	27	58/0	29/0	15	17	10	34	8	ND	ND
R	El Toro	ND	ND	ND	23	55	48	ND	ND	IN	IN
V	Laguna Beach	20	4/0	0/0	ND	ND	ND	ND	ND	ND	ND
	San Juan Cap.	ND	ND	ND	30	47	30	ND	ND	ND	ND
E	Prado Park	8	0/0	0/0	23	166	139	ND	ND	38.0	ND
A	Riverside	10	1/0	0/0	26	187	176	28	0	9.0	ND
	Perris	9	0/0	0/0	22	184	134	ND	ND	ND	ND
	Elsinore	ND	ND	ND	20	124	104	ND	ND	ND	ND
	Temecula	ND	ND	ND	21	58	38	ND	ND	ND	ND
	Hemet	5	IN	IN	19	87	66	ND	ND	ND	ND
	Banning	6	0/0	0/0	25	125	113	ND	ND	8.0	ND
	Palm Springs	7	0/0	0/0	23	133	133	ND	ND	7.0	ND
	Indio	12	0/0	0/0	16	85	57	0	0	7.0	ND
T	Upland	10	0/0	0/0	28	201	162	38	3	3.6	267(j)
E	Chino	12	3/0	0/0	36	188	174	17	0	ND	ND
R	Foxboro	9	0/0	0/0	26	13	173	30	2	ND	ND
V	San Bernardino	12	1/0	0/0	22	166	138	18	0	10.0	ND
	Redlands	14	0/0	0/0	25	130	144	25	1	ND	ND
	Yucca	9	0/0	0/0	29	160	156	ND	ND	ND	ND
	Lake Gregory	8	0/0	0/0	23	112	113	ND	ND	ND	ND
	Big Bear Lake	10	0/0	0/0	15	36	23	ND	ND	ND	ND
	Victorville	8	0/0	0/0	13	64	45	10	0	ND	ND
	Bear Mountain	9	0/0	0/0	14	12	5	30	2	ND	ND
	Trona	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Needles	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

(a)-(b) Federal Standards, respectively: (a) 8-hours > 9 PPM and/or (b) 1-hour > 35 PPM.

(c)-(d) State Standards, respectively: (c) 18-hours > 10 PPM and/or (d) 1-hour > 40 PPM.

(e) Because hydrocarbon (total minus methane).

(f) Station initiated operations on June 22, 1976.

(g) Instrument in operation only 11 days in June and July.

(h) Based on March through December data.

(i) Instrument inoperative January and February.

(j) July, August and September data not available.

(k) Insufficient data available.

(l) ND No data, pollutant not measured.

More - Data

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AIR QUALITY IN 1976

ZONE	Station	Sulfur Dioxide			Particulates (Hi-Vol)			Visibility ^(m)		
		Max. Conc. in PPHM	No. Days Standard Exceeded		Max. Value	% Days Standard Exceeded		Location	Min. Visby. in Miles	No. Days State Standard Exceeded
			Federal	State		Federal	State			
		1 Hour	24 hr. > .14 PPM	(k)/(l)	ug/m ³	200 ug/m ³	100 ug/m ³			
M	Los Angeles	12	0	12/0	215	0	57	Los Angeles ^(a) Burbank AP LAX AP Long Beach AP Fox AFB	1/2	166
E	W. Los Angeles	7	0	0/0	157	0	12		1 1/2	194
I	Lennox	18	0	2/0	234	0	51		1 1/2	160
R	Long Beach	13	0	7/0	ND	ND	ND		1	197
O	Whittier	15	0	6/0	ND	ND	ND		4	17
P	Reseda	4	0	0/0	207	0	41			
D	Burbank	9	0	0/0	ND	ND	ND			
L	Pasadena	6	0	0/0	206	0	32			
A	Atessa	10	0	0/0	226	0	59			
N	Pomona	6	0	0/0	ND	ND	ND			
T	Pico Rivera ^(f)	5	0	0/0	ND	ND	ND			
A	Lynwood	9	0	0/0	205	0	61			
N	Newhall	10	0	0/0	ND	ND	ND			
	Lancaster	2	0	0/0	319	5	45			
S	La Habra	11	0	0/0	258	0	66	El Toro MCAS	IN	IN
O	Santa Ana Cyn	IN	IN	IN	192	0	46			
C	Anaheim	11	0	0/0	252	0	56			
T	Los Alamitos	25	0	1/0	264	2	63			
H	Costa Mesa	12	0	0/0	177	0	26			
E	El Toro	IN	IN	IN	164	0	33			
	Laguna Beach	ND	ND	ND	189	0	27			
	San Juan Cap.	ND	ND	ND	152	0	36			
E	Prado Park	ND	ND	ND	ND	ND	ND	March AFB	IN	IN
	Riverside	8	0	0/0	276	2	77			
	Perris	ND	ND	ND	ND	ND	ND			
	Elsinore	ND	ND	ND	ND	ND	ND			
	Temecula	ND	ND	ND	ND	ND	ND			
	Hemet	ND	ND	ND	ND	ND	ND			
	Banning	ND	ND	ND	169	0	15			
A	Palm Springs	ND	ND	ND	182	0	6			
	Indio	IN	IN	IN	1363	5	49			
T	Upland	ND	ND	ND	363	4	66	Ontario AP Norton AFB	1	261
E	Chino	ND	ND	ND	1986	12	78		IN	21
R	Fontana	25	0	56/0	338	6	66			
N	San Bernardino	7	0	0/0	242	0	55			
	Redlands	ND	ND	ND	216	0	18			
	Yucaipa	ND	ND	ND	ND	ND	SD			
	Lake Gregory	ND	ND	ND	ND	ND	ND			
	Big Bear Lake	ND	ND	ND	168	0	7			
	Victorville	ND	ND	ND	532	2	49			
	Barstow	ND	ND	ND	470	0	67			
	Tecna	ND	ND	ND	ND	ND	ND			
	Needles	ND	ND	ND	ND	ND	ND			

(k) (l) State Standards, respectively: (k) 24-hour ≥ 4 PPHM and/or (l) 1-hour ≥ 50 PPHM.

m) Standard: Visibility should be 10 miles or greater on days when relative humidity is less than 70%.

n) Only week days' data are accumulated.

o) Insufficient data available.

p) No data, pollutant not measured.

More - O - 2

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AIR QUALITY IN 1977

City	Station	Carbon Monoxide			Oxidant (Ozone)			Nitrogen Dioxide			Hydrocarbons		
		Max. Conc. in PPM	No. Days Standard Exceeded Federal	Max. Conc. in PPHM	No. Days Standard Exceeded Federal	State	Max. Conc. in PPHM	No. Days State Std. Exceeded	Max. Conc. in PPM	No. Days State Std. Exceeded	Max. Conc. in PPM	No. Days State Std. Exceeded	Max. Conc. in PPM
L	Los Angeles	27	87/0	28/0	21	147	116	60	65	114	215	215	215
W	W. Los Angeles	22	85/0	11/0	16	84	40	65	45	124	215	215	215
M	Long Beach	30	84/0	48/0	17	15	14	45	45	124	215	215	215
E	Long Beach	20	85/0	45/0	15	15	15	45	45	153	162	162	162
T	Whittier	19	85/0	11/0	80	89	67	69	40	12	147	263	263
R	Redondo	25	47/0	22/0	94	196	172	40	40	147	242	242	242
O	Burbank	28	76/0	38/0	51	100	137	45	45	163	284	284	284
P	Pasadena	23	83/0	8/0	53	105	107	45	45	64	243	243	243
O	Azusa	13	87/0	1/0	52	105	105	40	40	15	157	157	157
L	Foothills	15	12/0	2/0	59	106	105	35	35	63	225	225	225
I	Pico Rivera	20	42/0	20/0	52	105	109	45	45	163	271	271	271
T	Lynwood	20	68/0	55/0	16	99	109	35	35	163	272	272	272
A	Newhall	13	82/0	6/0	35	105	176	24	24	73	225	225	225
N	Lancaster	12	8/0	0/0	23	102	93	6	6	63	123	123	123
S	La Habra	38	48/0	17/0	25	94	73	30	30	10	163	277	277
O	Santa Ana Cyn	ND	ND	ND	30	115	99	40	40	ND	ND	ND	ND
U	Anaheim	20	82/0	12/0	19	46	32	30	30	9	10,0	ND	ND
T	Long Alameda	ND	ND	ND	18	88	88	ND	ND	ND	ND	ND	ND
H	Costa Mesa	18	20/0	5/0	19	98	81	25	25	0	ND	ND	ND
E	El Toro	ND	ND	ND	30	85	ND	ND	ND	ND	ND	ND	ND
R	Algebra Beach(f)	15	0/0	0/0	29	ND	ND	ND	ND	ND	ND	ND	ND
N	San Juan Cap.	12(h)	0/0	0/0	ND	ND	ND	ND	ND	ND	ND	ND	ND
P	Pastor Park	13	1/0	0/0	36	105	105	ND	ND	ND	ND	ND	ND
R	Riverside	11	9/0	0/0	35	92	104	195	195	27	11,0	ND	ND
P	Portola	11	0/0	0/0	98	104	109	176	176	ND	ND	ND	ND
E	Elsinore	ND	ND	ND	19	103	103	193	193	ND	ND	ND	ND
T	Tonocela	ND	ND	ND	30	85	85	ND	ND	ND	ND	ND	ND
H	Hemet	IN	IN	IN	25	65	67	ND	ND	ND	ND	ND	ND
B	Banning	9	0/0	0/0	97	106	97	ND	ND	ND	ND	ND	ND
P	Palm Springs	9	0/0	0/0	31	119	94	ND	ND	ND	ND	ND	ND
A	Indio	12	0/0	0/0	19	109	86	15	15	0	ND	ND	ND
S	Upland	9	0/0	0/0	86	911	105	80	80	0	ND	ND	ND
T	Chino	13	8/0	0/0	19	904	102	87	87	34	ND	ND	ND
E	Fontana	10	0/0	0/0	37	105	105	105	105	34	ND	ND	ND
R	San Bernardino	15	2/0	1/0	104	104	115	115	115	0	ND	ND	ND
N	Redlands	18	0/0	0/0	35	171	161	34	34	0	ND	ND	ND
Y	Yucaipa	10	0/0	0/0	39	103	103	173	173	ND	ND	ND	ND
L	Lake Gregory	10	0/0	0/0	32	104	104	104	104	ND	ND	ND	ND
B	Big Bear Lake	15	1/0	0/0	92	106	65	65	65	ND	ND	ND	ND
V	Victorville	15	0/0	0/0	92	95	79	10	10	0	ND	ND	ND
B	Bearnow	4	0/0	0/0	30	64	ND	ND	ND	ND	ND	ND	ND
T	Trona	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N	Needles	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

(a) Federal Standards, respectively: (a) 8-hours > 9 PPM and/or (b) 1-hour > 35 PPM.
 (c) State Standards, respectively: (c) 12-hours > 10 PPM and/or (d) 1-hour > 40 PPM.

(d) Reactive hydrocarbons (total minus methane).

(e) BC monitoring initiated on February 1, 1977.

(f) Station monitoring CO and TSP only. Station deactivated on April 14, 1977.

(g) CO monitoring initiated on April 18, 1977.

(h) BC monitoring terminated on August 1, 1977.

(i) IC instrument inoperable on May - September 1977.

(j) ND data available only for January - October 1977.

ND - No data, insufficient not monitored.

ND - Insufficient data to determine value.

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AIR QUALITY IN 1977

Oscillation of the *luteolin*-induced *luteolin* accumulation

(e) Only weak 'days' debts are accumulated.

11) Trust Management initiated on April 1 1977

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Z C N E	Station W. Los Angeles Long Beach Whittier Rowena Burbank Pasadena Azusa Fontana Piran Rivera Lynwood Norwalk Lancaster	Sulfur Dioxide						Particulates (Hi-Vol)						Visibility*)					
		Max. Conc. in PPHM		No. Days Standard Exceeded		% Days Standard Exceeded		Max. Value		% Days Standard Exceeded		Location		Min. Visibility in Miles		No. Days State Standard Exceeded			
		1 Hour	24 hr.	> .14 PPM	(1)/m)	100 ug/m ³	ug/m ³	Federal	State	100 ug/m ³	100 ug/m ³	Los Angeles ⁽¹⁾	Burbank AP	LAX AP	Long Beach AP	Fox AFB			
M E T R O P O N A N E	Los Angeles W. Los Angeles Long Beach Whittier Rowena Burbank Pasadena Azusa Fontana Piran Rivera Lynwood Norwalk Lancaster	9 5 13 18 6 10 7 6 8 6 12 4 IN	0 0 0 0 0 0 0 0 0 0 0 0	0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	388 172 227 ND ND ND ND ND ND ND ND IN	5 0 0 ND ND ND ND ND ND ND ND 604	70 10 44 ND ND ND ND ND ND ND ND 2	1/8 1/4 3/4 3/4 3/4 4	187 212 145 297 13	Los Angeles ⁽¹⁾	Burbank AP	LAX AP	Long Beach AP	Fox AFB				
S O T H E R N A N E	Isla Habra Santa Ana Cyn Anaheim Los Alamitos Costa Mesa El Toro Laguna Beach ⁽²⁾ San Juan Cap.	12 5 9 14 10 7 ND ND	0/0 0/0 0/0 0/0 0/0 0/0 ND ND	0/0 0/0 0/0 0/0 0/0 0/0 ND ND	284 250 263 217 202 157 0/0 160	2 0 2 0 0 0 0 0	61 51 56 59 21 30 33 32	El Toro MCAS	1	315									
P A R D I N A N E	Paul Park Riverside Perris Elsinore Temecula Hemet Banning Palm Springs Indio	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	508 ND ND ND ND ND ND ND	15 ND ND ND ND ND ND ND	76 ND ND ND ND ND ND ND	March AFR	1	215									
U P L A N T F R A N E	Upland Chino Fontana San Bernardino Redlands Yucca Lake Gregory Big Bear Lake Victorville Barstow Trona Needles	17 ND 60 55 ND ND ND ND ND ND ND ND ND ND ND	0 ND 0 0 ND ND ND ND ND ND ND ND ND ND ND	0 ND 8/0 2/0 ND ND ND ND ND ND ND ND ND ND ND	369 397 8/0 414 ND ND ND ND ND ND ND ND ND ND ND	1 12 9 4 ND ND ND ND ND ND ND ND ND ND	77 80 82 60 ND ND ND ND ND ND ND ND ND ND	Ontario AP Ontario AFB	3/4 1/2	277 882									

Stress (MPa) = $\frac{F}{A}$ where F is force in Newtons and A is area in square millimetres. (1 N/mm² = 100 MPa)

2) Standard Variabilities should be 10% miles

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n) TSI: mandline initialized on April 1 1973

ESTATE PLANNING FOR AGENTS

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TABLE III
VIOLATIONS OF STATE STANDARDS AND ANNUAL MAXIMUM HURRY AVERAGES
1978

Station No.	Location	Code	Ozone	Carbon Monoxide ^{c)}		Sulfur Dioxide ^{d)}		Nitrogen Dioxide		
				Days ^{a)}	Max. ^{b)}	Days Max.	Days Max. ^{d)}	Days Max.	Days Max.	
LOS ANGELES COUNTY										
001	Los Angeles	CINT	113	0.30	15	20	0	0.038	26	0.42
060	Anza	ESGV	182	0.46	0	12	0	0.026	15	0.43
069	Burbank	ESPV	156	0.30	28	28	0	0.035	38	0.53
072	Long Beach	SODC	18	0.19	12	20	0	0.046	16	0.32
074	Redondo	NSPV	116	0.27	26	28	0	0.025	10	0.32
075	Pomona	PAVA	182	0.41	2	14	0	0.033	15	0.36
076	Lakewood	SAZD	29	0.30	30	27	0	0.031	15	0.39
080	Whittier	SDIA	96	0.16	5	18	0	0.046	15	0.50
081	Newhall	SCDV	155	0.32	0	12	0	0.024	0	0.20
082	Lancaster	ANVA	56	0.27	2	15	0	—	0	0.18
083	Pasadena	LSGV	183	0.42	4	19	0	0.028	25	0.59
084	Lynwood	SCLA	51	0.18	4	29	0	0.047	6	0.26
085	Pico Rivera	SSGV	165	0.43	23	21	0	0.026	26	0.46
086	West L.A.	NACD	75*	0.24*	9*	21*	0*	0.036*	20*	0.36*
ORANGE COUNTY										
3176	Anaheim	ANAH	73	0.29	6	22	0	0.020	2	0.30
3177	La Habra	LHAB	113	0.35	3	19	0	0.038	15	0.39
3185	Costa Mesa	COST	52	0.22	3	18	0	0.017	4	0.30
3186	El Toro	ZERO	68	0.34	—	—	0	—	—	—
3188	San Juan C.	SJCA	32	0.32	0	5	0	—	—	—
3190	Los Alamitos	LSAL	72	0.27	0	5	0	0.014	—	—
RIVERSIDE COUNTY										
4137	Palm Springs	PLSP	103	0.20	0	6	0	—	0	—
4139	Indio	INDO	93	0.17	0	12	0	—	0	0.13
4140	Prairie Park	PRPK	163	0.60	0	8	0	—	0	—
4141	Hemet	HEME	69	0.27	0	8	0	—	0	—
4144	Riverside	RIVE	179	0.39	0	9	0	0.034	0	0.22
4149	Perris	PERI	151	0.32	0	9	0	—	0	—
4150	Banning	BANN	115	0.30	0	5	0	—	0	—
4151	Temecula	TEME	24	0.23	—	—	0	—	0	—
4152	Elsinore	ELSN	71	0.30	—	—	0	—	0	—
SAN BERNARDINO COUNTY										
5151	San Bernardino	SBND	163	0.36	0	13	0	0.040	0	0.12
5153	Renton	RENT	27	0.16	0	3	0	—	0	0.12
5165	Redlands	REED	165	0.39	0	9	0	—	0	0.21
5173	Chino	CHIN	84	0.36	0	9	0	—	0	—
5175	Upland	UPLA	170	0.35	0	15	0	—	3*	0.27*
5176	Fontana	FONT	163	0.42	0	13	0	0.044	3	0.30
5181	Lake Gregory	LAGE	149	0.33	0	11	0	—	0	—
5182	Yucaipa	YUCI	163	0.33	0	15	0	—	0	—
5184	Big Bear	BIGB	70	0.27	0	15	0	—	0	—
5190	Victorville	VCVL	74	0.21	0	—	0	—	0	—
5191	Twentynine Palms	TWPS	6*	0.11*	0*	7*	—	—	0	—

- a) DAYS - Number of days violating state standard for indicated contaminant.
- b) MAX. - Single highest one hour (for SO₂ 24-hour) average c* the year in parts per million.
- c) All violations are of the twelve hour standard. The one hour standard was not violated.
- d) All violations and maxima are of the 24-hour standard. The one hour standard was not violated.
- * Less than 12 months of data.
- ** Station ceased operation after July 1978.

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TABLE IV
VIOLATION OF STATE STANDARDS AND ANNUAL MAXIMUM DAILY/MONTHLY AVERAGES
1978

Station No.	Location	Code	TSP Days ^{a)} Max. ^{b)}	SULFATE Days ^{a)} Max. ^{b)}	LEAD Months Max. ^{c)}	Number of Sampling Days
LOS ANGELES COUNTY						
001	Los Angeles	CENT	26	197	5	45.0
060	Azusa	ESCV	38	272	5	1.59
069	Burbank	ESFV	--	--	--	--
072	Long Beach	SOCO	--	--	--	--
074	Reseda	WSFV	38	230	4	57.8
075	Pomona	FWVA	--	--	--	--
076	Lennox	SWCO	25	233	4	44.4
080	Whittier	SOEA	--	--	--	--
081	Newhall	SCRV	--	--	--	--
082	Lancaster	ANVA	10	239	0	10.2
083	Pasadena	WSGV	27	203	5	53.4
084	Lynwood	SCLA	40	288	4	38.1
085	Pico Rivera	SSGV	42	231	5	47.2
086	West L.A.	NWCO	6*	136*	4*	41.2*
					2*	2.90*
						45*
ORANGE COUNTY						
3176	Anaheim	ANAH	24	200	2	30.7
3177	La Habra	LAHB	38	226	5	34.7
3185	Costa Mesa	COST	10	175	2	27.2
3186	El Toro	TORO	12	145	1	26.7
**3188	San Juan C.	SJCA	8*	186*	0*	19.2*
3190	Los Alamitos	LSAL	31	268	3	31.0
3191	Santa Ana C.	SACN	28	197	2	30.5
					3	2.27
RIVERSIDE COUNTY						
4137	Palm Springs	PLSP	7	262	0	13.9
4139	Indio	INDO	26	280	0	11.4
4140	Prado Park	PRPK	--	--	--	--
4141	Hemet	HEME	--	--	--	--
4144	Riverside	RIVR	42	405	5	55.9
4149	Perris	PERI	--	--	--	--
4150	Banning	BANN	21	198	0	20.7
**4151	Temecula	TEME	--	--	--	--
4152	Elsinore	ELSN	--	--	--	--
					--	--
SAN BERNARDINO COUNTY						
5151	San Bernardino	SNBD	33	357	3	47.1
5155	Barstow	BARS	12	291	0	22.4
5165	Redlands	REDL	29	351	3	32.7
**5173	Chino	CHIN	24*	358*	2*	30.2*
5175	Upland	UPLA	30	300	4	37.0
5176	Fontana	FONT	31	379	9	51.7
5181	Lake Gregory	LKGR	1	107	0	9.8
5182	Yucaipa	YUCI	--	--	--	0.36
**5184	Big Bear	BGBE	4*	130*	0*	8.3*
5190	Victorville	VCVL	11	248	0	13.6
5191	Twenty-nine Palms	TNPS	1*	116*	0*	8.2*
					0*	0.27*
						44*

a) Number of days/months violating state standard for indicated contaminant

b) Single highest 24 hour average of the year in $\mu\text{g}/\text{m}^3$

c) Single highest monthly average of the year in $\mu\text{g}/\text{m}^3$

* Less than 12 months of data

** Station ceased operation after July 1978.

**ORIGINAL DOCUMENT
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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AIR QUALITY IN 1979

C O D U N T Y	Station	Carbon Monoxide			Oxidant (Ozone)			Nitrogen Dioxide			Hydrocarbons		
		Max. Concentration in PPM	No. Days Exceeded in Federal Standard	Max. Concentration in PPHM	No. Days Standard Exceeded			Max. Concentration in PPHM	No. Days Standard Exceeded	Max. Concentration in PPM	No. Days Standard Exceeded	Max. Concentration in PPM	
					Federal	State	(c)/(d)						
		(a)/(b)			1 Hour			1 Hour	> 12 PPHM	1 hr. > 12 PPHM	1 Hour	> 25 ppm	
L	Los Angeles	21	20/0	6/0	34	63	114	17	14	14	114	122	
W.	Los Angeles	34	23/0	18/0	26	45	96	48	13	13	143	215	
L	Long Beach	37	34/0	35/0	19	7	77	88	13	13	151	240	
L	Long Beach	30	21/0	7/0	21	11	32	47	22	22	144 ^a	144 ^a	
A	Long Beach	19/0	5/0	5/0	47	86	103	27	10	10	NM	NM	
R	Redondo	23	32/0	16/0	53	103	146	51	6	6	120	213	
B	Burbank	27	25/0	26/0	29	92	137	35	37	37	111	226	
P	Pasadena	17	25/0	1/0	44	150	191	39	14	14	135	135	
A	Atwater	11	0/0	0/0	45	149	176	40	4	4	93	103	
P	Pomona	14	2/0	0/0	25	196	163	34	6	6	149	149	
P	Pico Rivera	16	26/0	1/0	39	110	160	41	13	13	120	182 ^b	
L	Lynwood	30	20/0	20/0	29	26	59	37	13	13	103	182 ^b	
N	Newhall	11	0/0	0/0	32	140	177	39	2	2	63	826 ^c	
L	La Canada	15	0/0	0/0	90	40	80	10	0	0	63	168	
L	La Habra	20	23/0	9/0	38	62	112	34	0	0	113	203 ^a	
S	Santa Ana Cyn.	20	NM	NM	19	47	56	NM	NM	NM	NM	NM	
A	Anaheim	19	36/0	16/0	62	97	65	32	8	8	110	NM	
R	Lucia Atkinson	NM	NM	NM	26	18	36	NM	NM	NM	NM	NM	
C	Circle Nine	21	18/0	5/0	21	16	36	20	4	4	NM	NM	
E	El Toro	NM	NM	NM	33	24	57	NM	NM	NM	NM	NM	
P	Prado Park	9	0/0	0/0	33	114	160	NM	NM	NM	NM	NM	
R	Riverside	10	0/0	0/0	34	151	186	30	0	0	100	NM	
P	Perris	1	0/0	0/0	35	95	151	NM	NM	NM	NM	NM	
D	Danning	5	0/0	0/0	37	84	139	103	0	0	70	NM	
V	Palm Springs	5	0/0	0/0	34	49	112	NM	NM	NM	NM	NM	
I	Indio	11	0/0	0/0	31	16	45	NM	NM	NM	NM	NM	
T	Upland	11	0/0	0/0	37	135	166	30	18	18	180	NM	
F	Foothills	20	5/0	0/0	43	164	187	25	18	18	160	NM	
S	San Bernardino	10	0/0	0/0	34	140	164	179	19	19	NM	NM	
R	Rosedale	9	0/0	0/0	34	129	177	NM	NM	NM	NM	NM	
B	Tecalpah	5	0/0	0/0	15	1	1	NM	NM	NM	NM	NM	
B	Lake Gregory	13	0/0	0/0	40	139	166	52	16	16	NM	NM	
V	Victorville	0	0/0	0/0	31	51	64	0	0	0	NM	NM	
B	Burton	19	1/0	0/0	16	12	0	NM	NM	NM	NM	NM	
T	Trosa ^d	13	0/0	0/0	12	0	0	NM	NM	NM	NM	NM	
T	Twenty-nine Palms	0	0/0	0/0	13	0	0	NM	NM	NM	NM	NM	

(e) Federal Standards, respectively: (a) 8-hour > 9 ppm and/or (b) 1-hour > 25 ppm.

(c) State Standards, respectively: (c) 12-hour > 10 ppm and/or (d) 1-hour > 45 ppm.

(d) Reactive hydrocarbons (total minor analysis).

(e) Station was inactivated April 1 through August 31, 1979 and reactivated on September 1, 1979.

(f) Station sampled only ozone and TSP after June 30, 1979.

(g) No data in January 1979 except for TSP.

(h) Nitrogen oxides monitoring initiated after July 1, 1979.

(i) No data in December.

(j) No data March - July and September.

(k) No data January, August and September.

(l) No data in September.

(m) Pollutant not monitored.

**ORIGINAL DOCUMENT
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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AIR QUALITY IN 1979

C O N T Y	City/Census Area PPHM	No. Days Standard Exceeded Federal State	No. Days Standard Exceeded (a)/(p)	Particulates (Mg/M ³)			Lead (Mg/M ³)			Sulfate (Mg/Vol)			Visibility ^b
				Total Samples	No. Exceeded Federal State	Mean Value	Total Samples	No. Exceeded Federal State	Mean Value	No. Samples Exceeded Federal State	No. Exceeded Federal State	Mean Value	
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
L A	Long Beach	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Long Beach AP
	Long Beach (Whittier)	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Long Beach AP
	Long Beach (Whittier)	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Long Beach AP
	Long Beach (Whittier)	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Long Beach AP
	Bellflower	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Long Beach AP
	Pasadena	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Long Beach AP
	Atwater	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Long Beach AP
	Pomona	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Long Beach AP
	Pico Rivera	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Long Beach AP
	Lynwood	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Long Beach AP
C R	Herbinal	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	El Toro MCAS
	La Habra	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	El Toro MCAS
	Santa Ana Cyn.	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	El Toro MCAS
	Ashdown	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	El Toro MCAS
	East Anaheim	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	El Toro MCAS
	Costa Mesa	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	El Toro MCAS
	El Toro	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	El Toro MCAS
	Pine Park	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	El Toro MCAS
	Riverside	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	El Toro MCAS
	Perris	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	El Toro MCAS
S D	Gardena	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP
	Palm Springs	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP
	Indio	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP
	Upland	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP
	Pine Tree	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP
	San Bernardino	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP
	Redlands	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP
	Yucca Valley	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP
	Lake Elsinore	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP
	Victorville	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP
F	Bear Valley	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP
	Twenty Nine Palms	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Oxnard AP

(a)/(p) State Standards, respectively: (a) 8-hour; (p) 1-hour with 1-hour mean 0.16 ppm or higher, or with 8-hour TSP 10⁻⁶ mg/m³ or higher, and/or (p) 1-hour > 50 ppm.

q) For Federal Standards, figure indicates number of quarters quarterly average exceeded 1.5 $\mu\text{g}/\text{m}^3$; for State Standard, figure indicate number of months 30-day average exceeded 1.5 $\mu\text{g}/\text{m}^3$.

r) Standard: Visibility should be 10 miles or greater on days when relative humidity is less than 70%.

s) Pollutant standards monitoring initiated July 1, 1979.

t) No date after September 30, 1979.

ORIGINAL DOCUMENT
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File Translated: P:\Projects - All Users\100020000+\100022731 Decron Additional Work on Beach Warner EIR\Data\Noise mea
Model/Serial Number: 814 / A0174
Firmware/Software Revs: 1.026 / 1.07
Name: PBS&J/EIP
Descr1: 12301 Wilshire Blvd., Ste. 430
Descr2: Los Angeles, CA 90025
Setup/Setup Descr: 15min-2s.slm / 15 Minute
Location: Site 1-7851 Southlake Dr
Note1:
Note2:
Octave Filters: None

Overall Measurement

Start Time: 14-Jul-2011 11:42:50

Elapsed Time: 00:15:00.0

Leq: 66.2 dBA

SEL: 95.7 dBA

Dose: 0.00 %

Proj. Dose: 0.41 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Current Measurement

Start Time: 14-Jul-2011 11:42:50

Elapsed Time: 00:15:00.0

Leq: 66.2 dBA

SEL: 95.7 dBA

Dose: 0.00 %

Proj. Dose: 0.41 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Min: 51.9 dBA 14-Jul-2011 11:57:03

Max: 76.5 dBA 14-Jul-2011 11:47:06

Peak-1: 101.4 dB 14-Jul-2011 11:47:05

Peak-2: 101.0 dBA 14-Jul-2011 11:47:05

Min: 51.9 dBA 14-Jul-2011 11:57:03

Max: 76.5 dBA 14-Jul-2011 11:47:06

Peak-1: 101.4 dB 14-Jul-2011 11:47:05

Peak-2: 101.0 dBA 14-Jul-2011 11:47:05

L 1.67 73.6 dBA L 50.00 64.4 dBA

L 8.33 69.8 dBA L 66.67 62.1 dBA

L 33.33 66.3 dBA L 90.00 56.6 dBA

Detector: Slow

Weighting: A

SPL Exceedance Level 1: 115.00 Exceeded: 0 times

SPL Exceedance level 2: 120 Exceeded: 0 times

Peak-1 Exceedance Level: 140 Exceeded: 0 times

Peak-2 Exceedance Level: 140 Exceeded: 0 times

Hysteresis: 2

Overloaded: 0 time(s)

Paused: 0 times for 00:00:00.0

Calibrated: 22-Jun-2010 09:15:35

Offset: 9.7 dB

Checked: 14-Jul-2011 11:29:38

Level: 114.30 dB

Calibrator LD 0504

Level: 114.0 dB

Cal Records Count: 0

Interval Records: Enabled

Number Interval Records: 1

History Records: Disabled

Number History Records: 1803

814 Memory: 524288 bytes

Free Memory: 439267 bytes 83.78% free

Battery Level: 99% Source: INT

File Translated: P:\Projects - All Users\100020000+\100022731 Decron Additional Work on Beach Warner EIR\Data\Noise mea
Model/Serial Number: 814 / A0174
Firmware/Software Revs: 1.026 / 1.07
Name: PBS&J/EIP
Descr1: 12301 Wilshire Blvd., Ste. 430
Descr2: Los Angeles, CA 90025
Setup/Setup Descr: 15min-2s.slm / 15 Minute
Location: Site 2-17031 Ash Ln
Note1:
Note2:
Octave Filters: None

Overall Measurement

Start Time: 14-Jul-2011 12:03:42

Elapsed Time: 00:15:00.0

Leq: 59.9 dBA

SEL: 89.5 dBA

Dose: 0.00 %

Proj. Dose: 0.09 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Current Measurement

Start Time: 14-Jul-2011 12:03:42

Elapsed Time: 00:15:00.0

Leq: 59.9 dBA

SEL: 89.5 dBA

Dose: 0.00 %

Proj. Dose: 0.09 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Min: 48.5 dBA 14-Jul-2011 12:06:44

Max: 73.4 dBA 14-Jul-2011 12:07:27

Peak-1: 100.0 dB 14-Jul-2011 12:17:52

Peak-2: 95.7 dBA 14-Jul-2011 12:09:39

Min: 48.5 dBA 14-Jul-2011 12:06:44

Max: 73.4 dBA 14-Jul-2011 12:07:27

Peak-1: 100.0 dB 14-Jul-2011 12:17:52

Peak-2: 95.7 dBA 14-Jul-2011 12:09:39

L 1.67 67.3 dBA L 50.00 57.2 dBA

L 8.33 63.9 dBA L 66.67 55.6 dBA

L 33.33 59.2 dBA L 90.00 52.8 dBA

Detector: Slow

Weighting: A

SPL Exceedance Level 1: 115.00 Exceeded: 0 times

SPL Exceedance level 2: 120 Exceeded: 0 times

Peak-1 Exceedance Level: 140 Exceeded: 0 times

Peak-2 Exceedance Level: 140 Exceeded: 0 times

Hysteresis: 2

Overloaded: 0 time(s)

Paused: 0 times for 00:00:00.0

Calibrated: 22-Jun-2010 09:15:35

Offset: 9.7 dB

Checked: 14-Jul-2011 11:29:38

Level: 114.30 dB

Calibrator LD 0504

Level: 114.0 dB

Cal Records Count: 0

Interval Records: Enabled

Number Interval Records: 1

History Records: Disabled

Number History Records: 1803

814 Memory: 524288 bytes

Free Memory: 439267 bytes 83.78% free

Battery Level: 99% Source: INT

File Translated: P:\Projects - All Users\100020000+\100022731 Decron Additional Work on Beach Warner EIR\Data\Noise mea
Model/Serial Number: 814 / A0174
Firmware/Software Revs: 1.026 / 1.07
Name: PBS&J/EIP
Descr1: 12301 Wilshire Blvd., Ste. 430
Descr2: Los Angeles, CA 90025
Setup/Setup Descr: 15min-2s.slm / 15 Minute
Location: Site 3-7852 Sycamore Dr
Note1:
Note2:
Octave Filters: None

Overall Measurement

Start Time: 14-Jul-2011 12:20:55

Elapsed Time: 00:15:00.0

Leq: 54.0 dBA

SEL: 83.6 dBA

Dose: 0.00 %

Proj. Dose: 0.00 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Current Measurement

Start Time: 14-Jul-2011 12:20:55

Elapsed Time: 00:15:00.0

Leq: 54.0 dBA

SEL: 83.6 dBA

Dose: 0.00 %

Proj. Dose: 0.00 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Min: 48.4 dBA 14-Jul-2011 12:30:54

Max: 67.7 dBA 14-Jul-2011 12:22:58

Peak-1: 98.4 dB 14-Jul-2011 12:35:23

Peak-2: 87.9 dBA 14-Jul-2011 12:35:21

Min: 48.4 dBA 14-Jul-2011 12:30:54

Max: 67.7 dBA 14-Jul-2011 12:22:58

Peak-1: 98.4 dB 14-Jul-2011 12:35:23

Peak-2: 87.9 dBA 14-Jul-2011 12:35:21

L 1.67 62.1 dBA L 50.00 52.0 dBA

L 8.33 56.0 dBA L 66.67 51.4 dBA

L 33.33 52.8 dBA L 90.00 50.5 dBA

Detector: Slow

Weighting: A

SPL Exceedance Level 1: 115.00 Exceeded: 0 times

SPL Exceedance level 2: 120 Exceeded: 0 times

Peak-1 Exceedance Level: 140 Exceeded: 0 times

Peak-2 Exceedance Level: 140 Exceeded: 0 times

Hysteresis: 2

Overloaded: 0 time(s)

Paused: 0 times for 00:00:00.0

Calibrated: 22-Jun-2010 09:15:35

Offset: 9.7 dB

Checked: 14-Jul-2011 11:29:38

Level: 114.30 dB

Calibrator LD 0504

Level: 114.0 dB

Cal Records Count: 0

Interval Records: Enabled

Number Interval Records: 1

History Records: Disabled

Number History Records: 1803

814 Memory: 524288 bytes

Free Memory: 439267 bytes 83.78% free

Battery Level: 99% Source: INT

File Translated: P:\Projects - All Users\100020000+\100022731 Decron Additional Work on Beach Warner EIR\Data\Noise mea
Model/Serial Number: 814 / A0174
Firmware/Software Revs: 1.026 / 1.07
Name: PBS&J/EIP
Descr1: 12301 Wilshire Blvd., Ste. 430
Descr2: Los Angeles, CA 90025
Setup/Setup Descr: 15min-2s.slm / 15 Minute
Location: Sie 4-17091 Elm Ln
Note1:
Note2:
Octave Filters: None

Overall Measurement

Start Time: 14-Jul-2011 12:38:04

Elapsed Time: 00:15:00.0

Leq: 56.0 dBA

SEL: 85.6 dBA

Dose: 0.00 %

Proj. Dose: 0.00 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Current Measurement

Start Time: 14-Jul-2011 12:38:04

Elapsed Time: 00:15:00.0

Leq: 56.0 dBA

SEL: 85.6 dBA

Dose: 0.00 %

Proj. Dose: 0.00 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Min: 49.0 dBA 14-Jul-2011 12:43:30

Max: 72.8 dBA 14-Jul-2011 12:50:48

Peak-1: 98.0 dB 14-Jul-2011 12:50:48

Peak-2: 94.3 dBA 14-Jul-2011 12:47:51

Min: 49.0 dBA 14-Jul-2011 12:43:30

Max: 72.8 dBA 14-Jul-2011 12:50:48

Peak-1: 98.0 dB 14-Jul-2011 12:50:48

Peak-2: 94.3 dBA 14-Jul-2011 12:47:51

L 1.67 66.0 dBA L 50.00 50.9 dBA

L 8.33 58.3 dBA L 66.67 50.4 dBA

L 33.33 51.8 dBA L 90.00 49.7 dBA

Detector: Slow

Weighting: A

SPL Exceedance Level 1: 115.00 Exceeded: 0 times

SPL Exceedance level 2: 120 Exceeded: 0 times

Peak-1 Exceedance Level: 140 Exceeded: 0 times

Peak-2 Exceedance Level: 140 Exceeded: 0 times

Hysteresis: 2

Overloaded: 0 time(s)

Paused: 0 times for 00:00:00.0

Calibrated: 22-Jun-2010 09:15:35

Offset: 9.7 dB

Checked: 14-Jul-2011 11:29:38

Level: 114.30 dB

Calibrator LD 0504

Level: 114.0 dB

Cal Records Count: 0

Interval Records: Enabled

Number Interval Records: 1

History Records: Disabled

Number History Records: 1803

814 Memory: 524288 bytes

Free Memory: 439267 bytes 83.78% free

Battery Level: 99% Source: INT

File Translated: P:\Projects - All Users\100020000+\100022731 Decron Additional Work on Beach Warner EIR\Data\Noise mea
Model/Serial Number: 814 / A0174
Firmware/Software Revs: 1.026 / 1.07
Name: PBS&J/EIP
Descr1: 12301 Wilshire Blvd., Ste. 430
Descr2: Los Angeles, CA 90025
Setup/Setup Descr: 15min-2s.slm / 15 Minute
Location: Site 5-7922 Cypress Dr
Note1:
Note2:
Octave Filters: None

Overall Measurement

Start Time: 14-Jul-2011 12:55:13

Elapsed Time: 00:15:00.0

Leq: 58.4 dBA

SEL: 87.9 dBA

Dose: 0.00 %

Proj. Dose: 0.06 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Current Measurement

Start Time: 14-Jul-2011 12:55:13

Elapsed Time: 00:15:00.0

Leq: 58.4 dBA

SEL: 87.9 dBA

Dose: 0.00 %

Proj. Dose: 0.06 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Min: 48.8 dBA 14-Jul-2011 12:58:02

Max: 72.7 dBA 14-Jul-2011 13:07:51

Peak-1: 107.9 dB 14-Jul-2011 13:07:51

Peak-2: 94.2 dBA 14-Jul-2011 12:57:48

Min: 48.8 dBA 14-Jul-2011 12:58:02

Max: 72.7 dBA 14-Jul-2011 13:07:51

Peak-1: 107.9 dB 14-Jul-2011 13:07:51

Peak-2: 94.2 dBA 14-Jul-2011 12:57:48

L 1.67 68.4 dBA L 50.00 53.0 dBA

L 8.33 62.5 dBA L 66.67 52.0 dBA

L 33.33 54.6 dBA L 90.00 50.9 dBA

Detector: Slow

Weighting: A

SPL Exceedance Level 1: 115.00 Exceeded: 0 times

SPL Exceedance level 2: 120 Exceeded: 0 times

Peak-1 Exceedance Level: 140 Exceeded: 0 times

Peak-2 Exceedance Level: 140 Exceeded: 0 times

Hysteresis: 2

Overloaded: 0 time(s)

Paused: 0 times for 00:00:00.0

Calibrated: 22-Jun-2010 09:15:35

Offset: 9.7 dB

Checked: 14-Jul-2011 11:29:38

Level: 114.30 dB

Calibrator LD 0504

Level: 114.0 dB

Cal Records Count: 0

Interval Records: Enabled

Number Interval Records: 1

History Records: Disabled

Number History Records: 1803

814 Memory: 524288 bytes

Free Memory: 439267 bytes 83.78% free

Battery Level: 99% Source: INT

File Translated: P:\Projects - All Users\100020000+\100022731 Decron Additional Work on Beach Warner EIR\Data\Noise mea
Model/Serial Number: 814 / A0174
Firmware/Software Revs: 1.026 / 1.07
Name: PBS&J/EIP
Descr1: 12301 Wilshire Blvd., Ste. 430
Descr2: Los Angeles, CA 90025
Setup/Setup Descr: 15min-2s.slm / 15 Minute
Location: Site 6-17101 A St (in alley)
Note1:
Note2:
Octave Filters: None

Overall Measurement

Start Time: 14-Jul-2011 13:27:20

Elapsed Time: 00:15:00.0

Leq: 66.6 dBA

SEL: 96.2 dBA

Dose: 0.00 %

Proj. Dose: 0.46 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Current Measurement

Start Time: 14-Jul-2011 13:27:20

Elapsed Time: 00:15:00.0

Leq: 66.6 dBA

SEL: 96.2 dBA

Dose: 0.00 %

Proj. Dose: 0.46 %

Threshold: 0 dB

Criterion: 90 dB

Exchange Rate: 3 dB

Min: 57.0 dBA 14-Jul-2011 13:28:25

Max: 79.0 dBA 14-Jul-2011 13:41:55

Peak-1: 100.4 dB 14-Jul-2011 13:36:09

Peak-2: 93.9 dBA 14-Jul-2011 13:41:28

Min: 57.0 dBA 14-Jul-2011 13:28:25

Max: 79.0 dBA 14-Jul-2011 13:41:55

Peak-1: 100.4 dB 14-Jul-2011 13:36:09

Peak-2: 93.9 dBA 14-Jul-2011 13:41:28

L 1.67 71.7 dBA L 50.00 65.9 dBA

L 8.33 69.1 dBA L 66.67 64.8 dBA

L 33.33 66.7 dBA L 90.00 61.6 dBA

Detector: Slow

Weighting: A

SPL Exceedance Level 1: 115.00 Exceeded: 0 times

SPL Exceedance level 2: 120 Exceeded: 0 times

Peak-1 Exceedance Level: 140 Exceeded: 0 times

Peak-2 Exceedance Level: 140 Exceeded: 0 times

Hysteresis: 2

Overloaded: 0 time(s)

Paused: 0 times for 00:00:00.0

Calibrated: 22-Jun-2010 09:15:35

Offset: 9.7 dB

Checked: 14-Jul-2011 11:29:38

Level: 114.30 dB

Calibrator LD 0504

Level: 114.0 dB

Cal Records Count: 0

Interval Records: Enabled

Number Interval Records: 1

History Records: Disabled

Number History Records: 1803

814 Memory: 524288 bytes

Free Memory: 439267 bytes 83.78% free

Battery Level: 98% Source: INT